



**Edward Kolodziej**

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July 8, 2016

Todd Gmitro  
Corrective Action Project Manager  
Remediation and Reuse Branch - U.S. EPA Region 5  
77 W. Jackson Blvd. (LU-9J)  
Chicago, IL 60604

Re: General Electric Company, Evendale, Ohio  
OHD 000 817 312  
Progress Report

Dear Mr. Gmitro:

Please find attached the Second Quarter 2016 Progress Report. If you have any questions, please contact me at (610) 992-7981.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manages the system or those persons directly responsible for gathering the information, the information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

Ed Kolodziej  
Senior Project Manager – Environmental Remediation

cc: Chief Mike Hauck, Evendale Fire Department  
Tim Hull, Ohio EPA  
Ralph Mertz, BUSTR (Incident Number: 31001060)  
John Wolfe, United States Air Force  
Kent Scott-Smith, United States Air Force  
Joanne Reinhold, GE

***Description of Work Completed in Second Quarter 2016:***

- Performed continuous pumping from extraction wells in each water-bearing unit. EW-6P was inactive during April 2016 due to an earlier pump failure. EW-3D pumping rate fluctuated due to decreased well capacity and the need for redevelopment. The average pumping rates for the second quarter 2016 were:

<u>Well ID</u>	<u>Unit</u>	<u>2Q 2016 Average Pumping Rate (gpm)</u>
EW-2P	Perched	44
EW-4P	Perched	44
EW-5P	Perched	24
EW-6P	Perched	38 (operating)/26 (avg)
EW-7S	USG	10
EW-3D	LSG	43 (operating)/30 (avg)
EW-8D	LSG	48
		Total 2Q2016 Avg = 226gpm

- Continued operation of the IRM groundwater treatment plant, including scheduled and unscheduled maintenance activities, permit compliance sampling and analysis, and reporting of key operational parameters. Operational run-time for the treatment plant was 97% for the 2<sup>nd</sup> quarter.
- Conducted groundwater level measurements and transducer download on April 4, 2016.
- Performed a chemical Clean-In-Place (CIP) on the air stripper between April 19 and April 21, 2016. Acidic chemicals Kleen AC9500 and Ferroquest FQ7101 were diluted with potable water to a predetermined concentration and circulated through the air stripper in a closed loop system in two separate procedures to remove the buildup of scale and iron fouling. Following each procedure, the rinsate was neutralized using sodium bicarbonate and discharged to the Metropolitan Sewer District, under approval obtained in March 2016.
- Replaced pump in extraction well EW-6P on April 27, 2016. The pump had failed in early February 2016 and was therefore down during most of April in the early 2<sup>nd</sup> quarter.
- Replaced air stripper sump sensor on May 3, 2016. The sensor had failed in March 2016.
- Collected a composite sample of spent bag filters for laboratory analysis on May 4, 2016 in order to complete a waste class profile.
- Conducted a semiannual technical meeting/conference call on May 19, 2016 with the US Air Force pertaining to RCRA corrective action activities on former AFP-36.
- An on-site vapor assessment was conducted in Building 800 during the week of March 21, 2016 in accordance with the USEPA-approved March 2016 vapor assessment work plan. A summary report of sampling results was submitted to USEPA on May 20, 2016. On May 26, 2016, USEPA agreed that GE can proceed with the second round of vapor sampling.
- Continued progress monitoring of aquifer conditions in the three water-bearing units in accordance with the Performance Monitoring Plan (PMP). Submitted the 1<sup>st</sup> quarter IRM groundwater monitoring report to USEPA on June 9, 2016.
- Conducted the 2<sup>nd</sup> quarter/semiannual 2016 IRM groundwater sampling between June 7 and June 13, 2016.

- Continued CMS activities associated with interim reports as outlined in the approved May 2014 CMS Work Plan, including the development of groundwater corrective measure objectives (CMOs). The groundwater CMOs interim report is currently undergoing review. Submittal to USEPA is anticipated to occur by the end of July 2016 / beginning of August 2016.
- Conducted analysis of southern perimeter soil vapor data collected during 2015 semiannual events and submitted a summary report to USEPA on June 29, 2016.
- Initiated preparation of the CMS report per the approved May 2014 CMS Work Plan.
- The Tier 1 report submittal to Ohio BUSTR regarding the Bldg 500 UST was approved by Ohio BUSTR on December 18, 2015. GE continued development of the Tier 2 report for submittal to Ohio BUSTR during third quarter 2016.

***Summary of All Findings:***

- None

***Contacts with the Public:***

- None

***Problems or Potential Problems Encountered:***

- None

***Actions Taken to Rectify Problems:***

- None

***Changes in Personnel during Reporting Period:***

- None

***Projected Work for Third Quarter 2016:***

- Continue pumping in the three aquifer zones (Perched, USG and LSG) and progress monitoring of aquifer conditions as outlined in the PMP. Conduct IRM water level monitoring and transducer download in early July 2016. The annual site-wide groundwater level monitoring event will also be conducted in July 2016.
- Conduct annual MNA groundwater sampling event in July 2016.
- Continue operating the IRM groundwater treatment plant, including scheduled maintenance activities, permit compliance sampling and analysis, and reporting of key operational parameters.
- Re-develop extraction well EW-3D.
- Dispose of the spent bag filters currently stored in the IRM GWTS building and arrange for routine disposal of 55 gallon drums containing non-hazardous spent bag filters and purged groundwater.
- Continue development of the CMS report, with consideration to USEPA review of interim reports.
- Prepare the 2<sup>nd</sup> quarter/semiannual IRM groundwater monitoring report and submit to USEPA.
- Conduct 3<sup>rd</sup> quarter IRM groundwater monitoring in September 2016.
- Submit Tier 2 evaluation report for the Bldg 500 UST to Ohio BUSTR.

- Evaluate groundwater level conditions and collect a set vapor data during a second round of on-site vapor assessment for Building 800.

***Copies of Daily Reports and Laboratory/Monitoring Data:***

- None